

### REMARKS

The present amendment is submitted to cancel claims 57 and 53 and to incorporate those claims in claim 45, thereby insuring that Applicants' claimed "at least one operational element for operating said automated data storage library" does not read on the "display driver" of Kayser, and that "said processor configured to store information regarding said at least one operational element and said processor" does not read on items or merchandise of Kayser.

As the result of the amendment to Claim 45 and cancellation of Claim 53, Claim 54 has been amended to depend from Claim 45. Claims 48, 50, 52 and 54 have been amended to incorporate the amendment to Claim 45.

In an interview October 29, 2007, the Examiner suggested specifically identifying an "operational element" required for an automated data storage library in Claim 45, and indicated that an RCE was the appropriate means to make the amendment. Applicants have named a "robot accessor", such as robot accessor 18 from the specification. The robot accessor 18, processors, etc. are discussed at page 16, line 7 – page 21, line 14 of the specification. Applicants respectfully submit that no new matter has been added.

#### Claims:

Claims 45-52 and 54-56 currently comprise the case.

#### 35 USC § 102:

Claims 45-52 and 54-56 stand rejected under 35 USC 102(b) as being anticipated by Kayser (U.S. Patent 6,089,453).

Applicants thank the Examiner for providing specific responses to Applicants' arguments made in the previous Amendment.

The Examiner had called attention to Kayser as having, according to the Examiner, an "electronic device 20" with a "nonvolatile memory (Fig. 19a, 150)", "an electronic visual display (156)", "at least one operational element (158)" and "a processor (146)". The Examiner also stated that "Kayser teaches a system (Fig. 2) comprising: a network (communication network, 27); and a plurality of components (20), at least one of said components comprising: a network interface (31) to said network (27)".

However, Applicants' invention and claims comprise an entirely different direction for employing "an electronic persistent visual display" than Kayser, a direction that Applicants respectfully submit is patentable over Kayser.

The above discussion of a nonvolatile memory and electronic visual display by Kayser relates to a type of electronic visual display. Kayser uses the nonvolatile memory and display as "electronic display tags for displaying pricing and product information for products in stores or warehouses." (Abstract, lines 1-3). A main distribution loop and branch loops distribute the information signals for the tags, and a display circuit within each display tag generates a display in response to the information signals. (Column 4, lines 25-45).

Applicants' claims instead recite (Claim 45) "In an automated data storage library, a system comprising:

- a network; and

- electronic devices, a plurality of said electronic devices each comprising:

- a network interface to said network;

- an electronic persistent visual display mounted at said electronic device,

- said electronic persistent visual display having an input, said electronic persistent visual display configured to provide a visual label display which persists

- indefinitely, until updated by an input signal at said input;

at least one operational element for operating said automated data storage library, an operational element for at least one said electronic device comprising at least one robot accessor; and  
a processor configured to operate said at least one operational element:  
said processor configured to store information regarding said at least one operational element and said processor; and  
said processor configured to, in response to a predetermined state, provide an update input signal at said electronic persistent visual display input, said update input signal comprising selected said information regarding said at least one operational element and said processor stored by said processor, said update signal to update said visual label display of said electronic persistent visual display.” (emphasis added).

A) 1) Kayser teaches away from and does not disclose Applicants’ “operational element for operating said automated data storage library”.

Kayser’s element 158 is a display driver and is NOT an “operational element for operating said automated data storage library”. (emphasis added). Rather, Kayser’s processor 146 is “for maintaining an assigned display set on an LCD display 156 and communicating with the area controller 31. The display 156 is preferably driven using a conventional two-row display driver circuit 158 controlled by the CPU 146.” (Column 66, lines 19-23).

A) 2) Kayser teaches away from and does not disclose Applicants’ claimed “said processor configured to store information regarding said at least one operational element and said processor; and said processor configured to, in response to a predetermined state, provide an update input signal at said electronic persistent visual display input, said update input signal comprising selected said information regarding said at least one operational element and said processor stored by said processor”. (emphasis added).



Kayser uses the nonvolatile memory and display as "electronic display tags for displaying pricing and product information for products in stores or warehouses." (Abstract, lines 1-3).

Thus, Kayser teaches distributing prices for display, teaching away from and not disclosing Applicants' claimed providing information regarding said at least one operational element and said processor.

A) 3) Kayser teaches away from and does not disclose Applicants' claimed "system comprising: a network; and electronic devices, \*\*\* comprising: a network interface to said network; \*\*\* at least one operational element for operating said automated data storage library \*\*\*; and a processor configured to operate said at least one operational element: said processor configured to store information regarding said at least one operational element and said processor; and said processor configured to, in response to a predetermined state, provide an update input signal at said electronic persistent visual display input, said update input signal comprising selected said information regarding said at least one operational element and said processor stored by said processor, said update signal to update said visual label display of said electronic persistent visual display." (emphasis added).

Kayser teaches a distribution system with a main distribution loop and branch loops which distribute the information signals for the tags, and a display circuit within each display tag that generates a display in response to the information signals. (Column 4, lines 25-45).

Applicants' invention and claims comprise an entirely different direction for employing "electronic persistent visual displays" than Kayser.

A) Summary:

Applicants respectfully submit that Claim 45 and all claims that depend therefrom (Claims 46-52 and 54-56) are patentable over Kayser. Applicants therefore respectfully request allowance of Claims 45-52 and 54-56 thereover.

B) Dependent Claims:

Claim 46 recites "wherein said predetermined state of said processor of said at least one electronic device comprises a power-on and/or reset of said electronic device", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

Claim 47 recites "wherein said processor of each of said plurality of electronic devices comprises a programmable computer processor and said predetermined state of said processor comprises completion of an update to computer readable program code of said programmable computer processor", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

Claim 48 recites "wherein said processor of each of said plurality of electronic devices additionally is configured to update said information regarding said at least one operational element and said processor stored by said processor with status information related to said update to computer readable program code of said programmable computer processor, and said processor update signal selected information comprises at least said status information" whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

Claim 49 recites "wherein said processor of each of said plurality of electronic devices comprises programmable logic and said predetermined state of said processor

comprises completion of an update to said programmable logic", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

Claim 50 recites "wherein said processor of each of said plurality of electronic devices additionally is configured to update said information regarding said at least one operational element and said processor stored by said processor with a version number of said update to said programmable logic, and said processor update signal selected information comprises at least said version number of said update to said programmable logic", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

Claim 51 recites "wherein said predetermined state of said processor comprises a state achieved in response to an indication of completion of an engineering change to said electronic device", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

Claim 52 recites "wherein said processor of each of said plurality of electronic devices additionally is configured to update said information regarding said at least one operational element and said processor stored by said processor with an engineering change number of said engineering change to said electronic device, and said processor update signal selected information comprises at least said engineering change number of said engineering change", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

Claim 54 recites "wherein said processor of each of said plurality of electronic devices additionally is configured to update said information regarding said at least one operational element and said processor stored by said processor with status information related to said change to said at least one operational element, and said processor update signal selected information comprises at least said status information", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.



Claim 55 recites "wherein said predetermined state of said processor comprises a state achieved in response to a signal received at said network interface", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

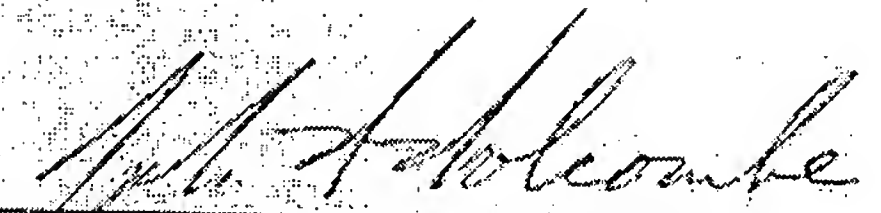
Claim 56 recites "wherein said processor of each of said plurality of electronic devices additionally is configured to select said information stored by said processor in accordance with said signal received at said network interface", whereas Kayser teaches away therefrom by teaching a distribution system display as discussed above.

B) Summary:

Applicants respectfully submit that each dependent claim (Claims 46-52 and 54-56) is patentable over Kayser. Applicants therefore respectfully request allowance of Claim 45 and of Claims 46-52 and 54-56 thereover.

Accordingly, Applicants believe the present invention distinguishes over the cited patents and respectfully requests that the Examiner allow Applicants' Claims 45-52 and 54-56, and pass the case to issue.

Respectfully submitted,  
Brian G. Goodman et al.

By:   
John H. Holcombe (#20,620)  
Attorney for Applicants  
From: IBM Corporation  
Intellectual Property Law  
8987 E. Tanque Verde Rd. #309-374  
Tucson, AZ 85749  
Telephone: (520) 760-6629

JHH/cw